In the Claims:

1. (Currently amended) A multi-layer laminate comprising a plurality of successively stacked layers of respective organic-inorganic composite materials, wherein:

each of said organic-inorganic composite materials is respectively produced by polycondensating a metal alkoxide of a metal element through hydrolysis until a remaining unreacted amount of said metal alkoxide is reduced to no more than 3 vol.%, and then mixing an organic polymer with at least said metal alkoxide that has been polycondensated; ~~polycondensated with an organic polymer;~~

said layers respectively have different concentrations of **[[~~a~~]]** said metal element in ~~said metal alkoxide of~~ said respective organic-inorganic composite material, such that said laminate has a concentration gradient with a varying concentration of said metal element through a thickness of said laminate from a first side to a second side of said laminate.

2. (Original) The multi-layer laminate according to claim 1, wherein said laminate has a refractive index gradient with a varying refractive index through said thickness of said laminate.

3. (Original) The multi-layer laminate according to claim 2, wherein said refractive index varies opposite said concentration.

4. (Original) The multi-layer laminate according to claim 3, wherein said concentration of said metal element increases monotonously through said thickness from said first side to said second side, and said refractive index decreases monotonously from said first side to said second side.

5. (Original) The multi-layer laminate according to claim 3, wherein said concentration of said metal element first increases and then decreases in succession through said thickness from said first side to said second side, and said refractive index first decreases and then increases in succession through said thickness from said first side to said second side.

6. (Original) The multi-layer laminate according to claim 3, wherein said concentration of said metal element first decreases and then increases in succession through said thickness from said first side to said second side, and said refractive index first increases and then decreases in succession through said thickness from said first side to said second side.

7. (Original) The multi-layer laminate according to claim 1, wherein said concentration of said metal element increases monotonously through said thickness from said first side to said second side.

8. (Original) The multi-layer laminate according to claim 1, wherein said concentration of said metal element first increases and then decreases in succession through said thickness from said first side to said second side.

9. (Original) The multi-layer laminate according to claim 1, wherein said concentration of said metal element first decreases and then increases in succession through said thickness from said first side to said second side.

10. (Original) The multi-layer laminate according to claim 1, wherein said metal alkoxide is one of Si alkoxide, Ti alkoxide, and Zr alkoxide.

11. (Original) The multi-layer laminate according to claim 1, wherein said organic-inorganic composite materials respectively have an optical transmittance of at least 90% per 10μm thickness of said organic-inorganic materials for light having a wavelength of 600 to 1000nm.

12. (Original) The multi-layer laminate according to claim 1, wherein said organic-inorganic composite materials respectively have an overall content of said metal element in a range from 0.1 to 46 wt.%.

13. (Original) The multi-layer laminate according to claim 12, wherein said overall content of said metal element is in a range from 5 to 37 wt.%.

14. (Original) The multi-layer laminate according to claim 1, wherein said organic-inorganic composite materials are made up of organic domains and inorganic domains, wherein said organic domains and said inorganic domains have domain sizes not more than 0.1μm.

15. (Original) The multi-layer laminate according to claim 1, comprising at least seven of said layers.

Claims **16 to 27** (Canceled).

[RESPONSE CONTINUES ON NEXT PAGE]